Agenda Item #1

Updated Military Construction (MILCON) Memorandum of Agreement (MOA)

Jeremy Hiers
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Architecture, Operations, Networks, and Space (AONS) Directorate
Information Infrastructure Integration Division (I3D)

Strategic Goals of the Revised MOA (U)

- **(U) Adequate stakeholder visibility of all Active Component MILCON projects from beginning to end.**
  - Adequate stakeholder representation in all HQDA decision making forums.
  - Adequate stakeholder representation in all MILCON design, implementation, and acceptance processes.
- **(U) Sufficient funding for IT is provided throughout all phases of construction.**
  - Ensure all stakeholders are notified of all design changes impacting IT.
  - Ensure MILCON IT requirements are included in all phases of the POM cycle.
- **(U) Input from all stakeholders on revisions to all policies and guidance impacting the incorporation of IT in MILCON projects.**

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MOA Roles and Responsibilities (U)

Responsibility	Organization			
	ACSIM	CIO/G-6	USAMC	USACE
Participate in all Army Standing Committee Meetings.	X	X	X	X
Participate in all MILCON Project Review Boards (PRBs).	X	X	X	X
Provide notification of the validated prioritization of all MILCON projects to ACSIM, CIO/G-6, and USAMC.	X			
Develop and maintain policy and technical requirements for the incorporation of IT into MILCON.		X		
Participate in the development and revisions of USACE guidance.		X	X	X
Ensure all MILCON projects are properly coordinated with USAMC for certification.	X			
Provide CIO/G-6 and AMC with access to the Construction, Appropriation, Programming, Control, and Execution (CAPCES) system.	X			
Participate in pre-design and design conferences for MILCON projects.			X	X
Provide all necessary design documents to USAMC and Installation DOIMs.				X
Provide planning and construction timelines to USAMC.				X
Provide engineering and technical support for all MILCON projects.			X	X
Coordinate and certify MILCON IT requirements on an installation-by-installation basis.			X	
Consolidate and validate all IS requirements in support of MILCON.		X		
Ensure that all IS requirements to support MILCON are properly programmed.	X	X		X
Ensure IS requirements are properly implemented during the design and construction processes.			X	X
Notify CIO/G-6 and USAMC of all construction design and schedule changes.				X

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MILCON MOA Status (U)

- **(U) Action Officer Development (Complete Apr 06 – Jan 07)**
- **(U) ACSIM (LTG Wilson) Signature (Complete 21 Feb 07)**
- **(U) CIO/G-6 (LTG Boutelle) Signature (Complete 23 Feb 07)**
- **(U) USACE (LTG Strock) Signature**
- **(U) USAMC (GEN Griffin) Signature**

Latest Version Stored on AKO:

Knowledge Center ID: 6990089

Knowledge Center Link: https://www.us.army.mil/suite/kc/6990089

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Questions?

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Agenda Item #4

APCs, Server Farms, and the ACSIM Position on APCs vs. New Construction

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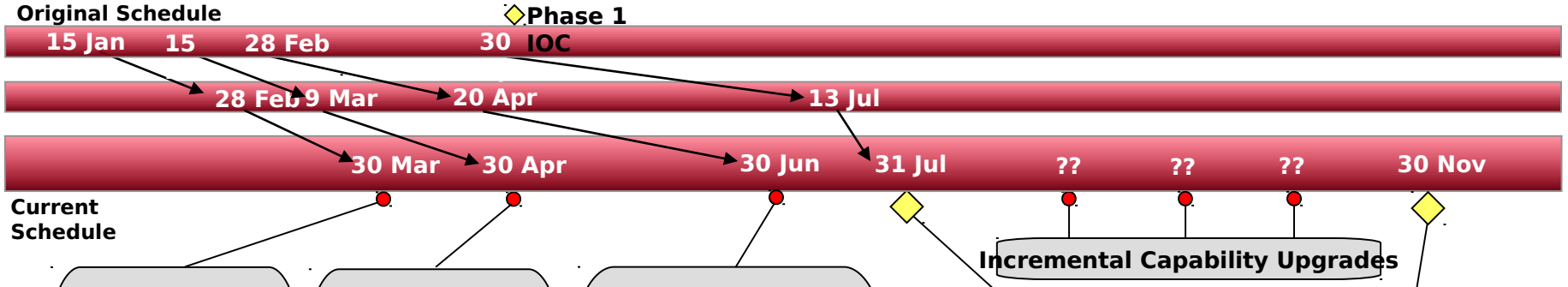
APC Capability Increments

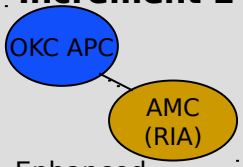


Incremental Capability Upgrades

Increment 1

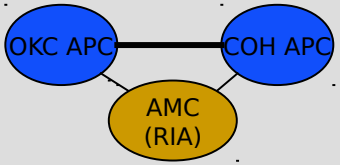
- E2K3 Mailboxes
- ✓ E2K3 Routing
- ✓ R-TLA
- ✓ DMVPN
- SAN
- NETOPS
  - Router Mgmt
  - Firewall Mgmt
  - SMS
  - Remedy
- Remote Access
- PC Health
- DMZ

Increment 2



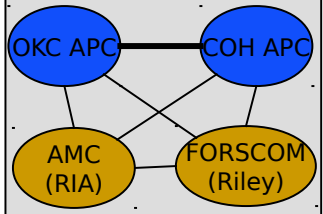
- Enhanced Security Zone
- ✓ RIA TLA Move
- ✓ RIA Mailbox
- ✓ RIA LPC
- ✓ RIA Re-IP
- ✓ RIA VLANs
- ✓ RIA 802.1x & NAC
- ✓ RIA SMS
- RIA Retina
- Service Desk
- Mailbox Provisioning

Increment 3



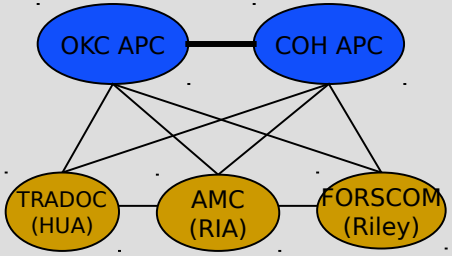
- COOP/DR
- SAN Replication
- Initial Apps Hosting
- VM Mgmt
- Hercules
- Retina Enterprise Manager
- Implement Lessons Learned

Increment 4 (APC Phase 1 IOC)



- DF Integration
- Ft Riley TLA Move
- Ft Riley Mailbox
- Ft Riley LPC
- Ft Riley Re-IP
- Ft Riley VLANs
- Ft Riley 802.1x & NAC
- Ft Riley SMS
- Ft Riley Retina
- Implement Lessons Learned

Increment 5 (APC Phase 1 FOC)



- Fully Meshed APC Architecture
- COOP/DR Expansion
- Application Hosting Expansion
- Implement Lessons Learned

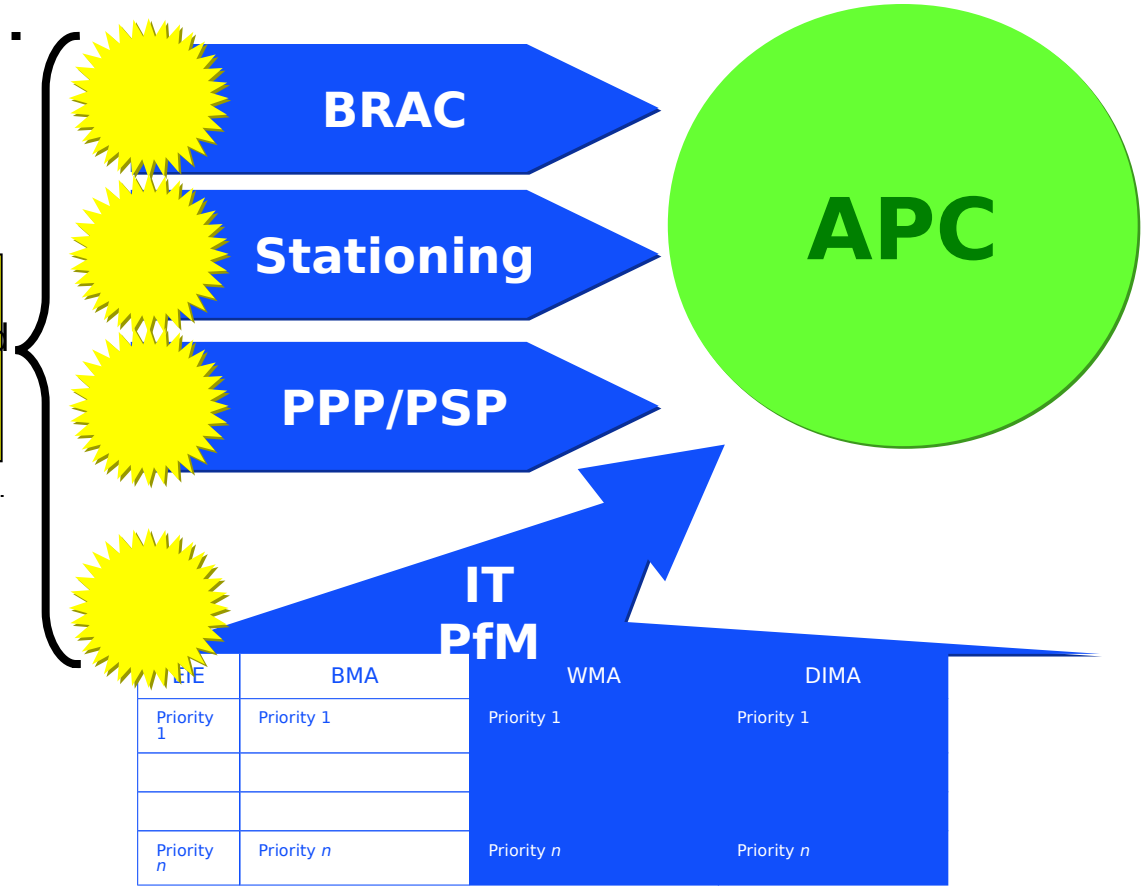
FY08 effort synchronizes OCONUS and CONUS efforts and integrates JNN RHN efforts.

√ - Complete

APC Migration Strategy (U)

Priority as of 03/07:
Rock Island Arsenal
Ft. Riley
Ft. Huachuca
Aberdeen Proving Ground
Ft. Knox
Ft. Bliss
Ft. Sam Houston
Redstone Arsena
Ft. Belvoir
Ft. Bragg
Ft. Hood
Ft. Sill
Ft. Benning

Priorities Synchronized with I3MP



LIE	BMA	WMA	DIMA
Priority 1	Priority 1	Priority 1	Priority 1
Priority *n*	Priority *n*	Priority *n*	Priority *n*

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APC Migration Strategy (U)

- **(U) Policy Guidance**
  - APC migration is **mandatory**. Raised floor space will be built only by exception.
  - Remove/prevent redundant and duplicative IT infrastructure and services.
  - Documentation provided in AKO Knowledge Center: (US Army Organizations>Army CIO/G-6>CIO G-6 Shared>LandWarNet>Goal 3 Public>Area Processing Center>09Mar07 APC IPT)
- **(U) Strategy**
  - Identify all common user and mission system requirements at Army Installations.
  - Submit mission system requirements to CIO/G-6.
  - Identify systems that fit the profile for APC relocation.
  - Reduce footprint for data centers and server farms.
  - Engineer solutions for migration to APCs.
  - CIO/G-6 will advise and support PEGs.

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APC/MILCON Memo (U)

- **(U) CIO/G-6 (AONS) is staffing a memo to be signed by LTG Wilson and LTG Boutelle to communicate the APC/MILCON strategy.**
- **(U) Memo key points include:**
  - There are significant MILCON funding shortfalls placing risks on the Army's ability to meet BRAC law and other requirements.
  - The Army has established two APCs and is implementing Single DOIM.
  - Leveraging APCs and Single DOIM will significantly reduce MILCON requirements at Army Installations and will therefore be critical to the Army meeting BRAC law by Sep 2011 and other requirements.
  - Raised floor space will only be built by exception.
  - The CIO/G-6 will validate all requirements for raised floor space in MILCON projects prior to the release of the Request for Proposal (RFP).

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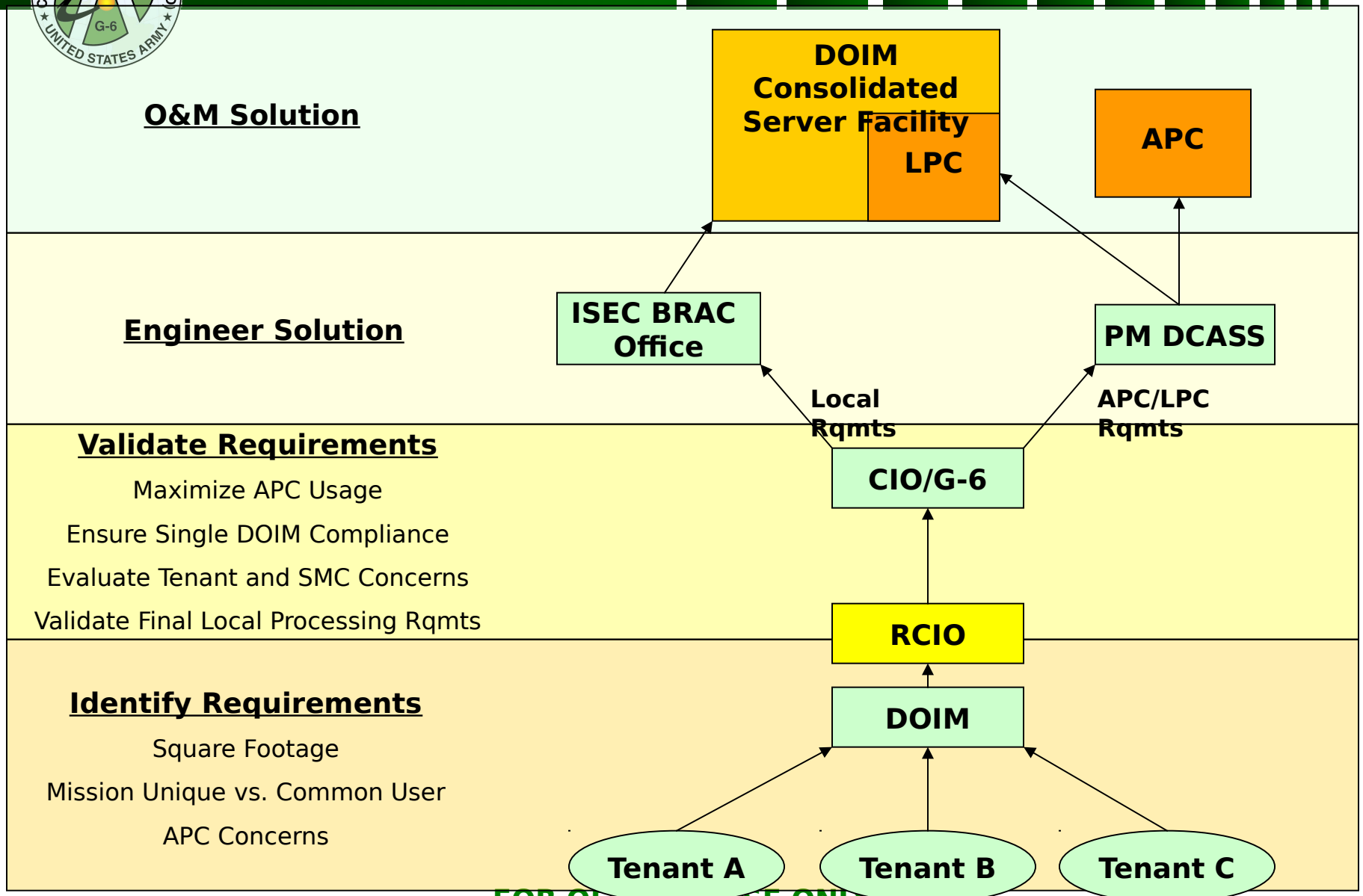
MILCON Analysis and Validation (U)



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Current APC/MILCON Validation Efforts (U)

- **(U) Fort Knox: HRC/AAC Facility (Complete Feb 07)**
  - Saved the Army $2M.
- **(U) Fort Bragg (FORSCOM/USARC HQ Facility)**
- **(U) APG (C4ISR)**

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Next Steps (U)

- **(U) Re-validate MILCON requirements for server space.**
  - Identify all MILCON projects with significant floor space requirements (Mar 07).
  - Prioritize all identified MILCON projects for APC analysis (Apr 07).
    - Prioritized based on RFP release dates and potential savings.
  - Work with stakeholders to re-validate MILCON floor space requirements in accordance with prioritized list (on-going).
    - CIO/G-6 validation for Single DOIM and APC compliance.
- **(U) Application Hosting Summit in DC (~May 07).**
- **(U) Strategic Communications**
  - Host Green Bag lunches with Army Commands and RCIOs.
  - Support RCIO IPTs with DOIMs.

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Additional Resources (U)

- **(U) Army Knowledge Online!**
  - Folder ID: 6925277
  - Folder URL: https://www.us.army.mil/suite/folder/6925277

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Questions?

CIO/G-6 Points of Contact

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Agenda Item #17

The Single DOIM Concept as Related to Non-Army Tenants on Army Installations - Update

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Information Infrastructure Integration Division (I3D)

Single DOIM (U)

- **(U) Single DOIM Guidance: Each Army Installation will have one DOIM to provide C4IM Services. The Army will implement the Single DOIM Action Plan NLT 30 Sep 07.**
  - Does NOT apply to mission specific applications/tools and non-Army entities.
  - Temporary exemptions are only provided for network assets of approved Army AD Forests.
  - The U.S. Army Audit Agency (AAA) began assessing progress in Dec 06.
- **(U) The Single DOIM should also service the Outside Cable Plant (OSP) connectivity between the building demarcation point and the Installation Point of Presence (PoP) for ALL tenants (Army and non-Army).**

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Single DOIM (U)

- **(U) Single DOIM as it applies to Joint Basing.**
  - The Joint Basing Working Group is grappling with common user services.
  - Draft guidance clearly states that there would be only one physical cable plant owned and operated by the Supporting Service.
  - Army strategizing on the issue of investment, to include BRAC (want to establish a position we can live with).

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Questions?

Point of Contact

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Agenda Item #18

OPA/IMA IT Funding Tails and Funding Issues Related to ITAP Rqmts Outside MILCON

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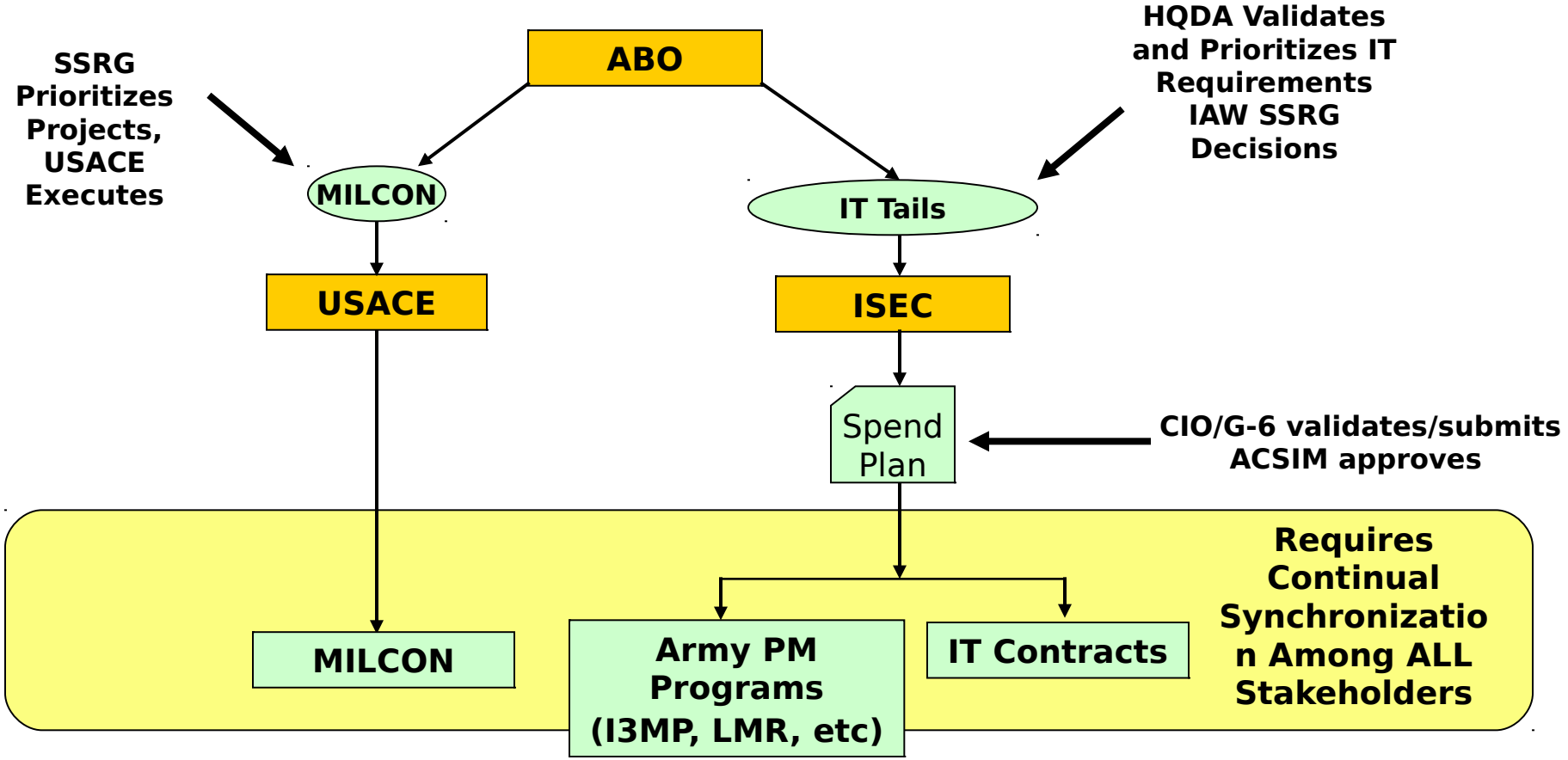
Information Infrastructure Integration Division (I3D)

BRAC IT Funding Process (U)



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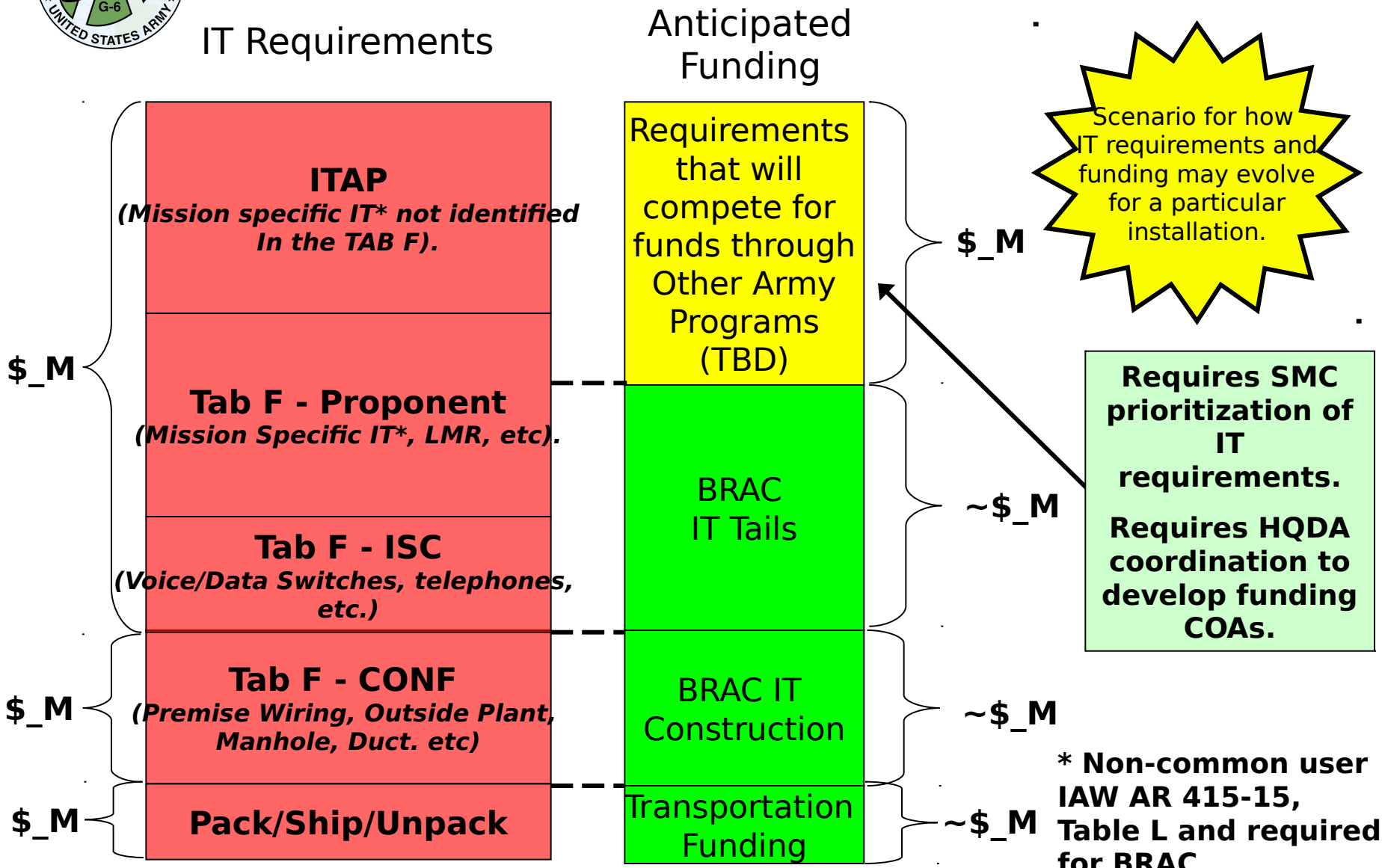
BRAC IT Funding Process (U)


IT Requirements
Anticipated Funding
ITAP
(Mission specific IT* not identified In the TAB F).
Tab F - Proponent
(Mission Specific IT*, LMR, etc).
Tab F - ISC
(Voice/Data Switches, telephones, etc.)
Tab F - CONF
(Premise Wiring, Outside Plant, Manhole, Duct. etc)
Pack/Ship/Unpack
$_M
$_M
$_M
$_M
Requirements that will compete for funds through Other Army Programs (TBD)
BRAC IT Tails
BRAC IT Construction
Transportation Funding
$_M
~$_M
~$_M
~$_M
Scenario for how IT requirements and funding may evolve for a particular installation.
Requires SMC prioritization of IT requirements.
Requires HQDA coordination to develop funding COAs.
* Non-common user IAW AR 415-15, Table L and required for BRAC.

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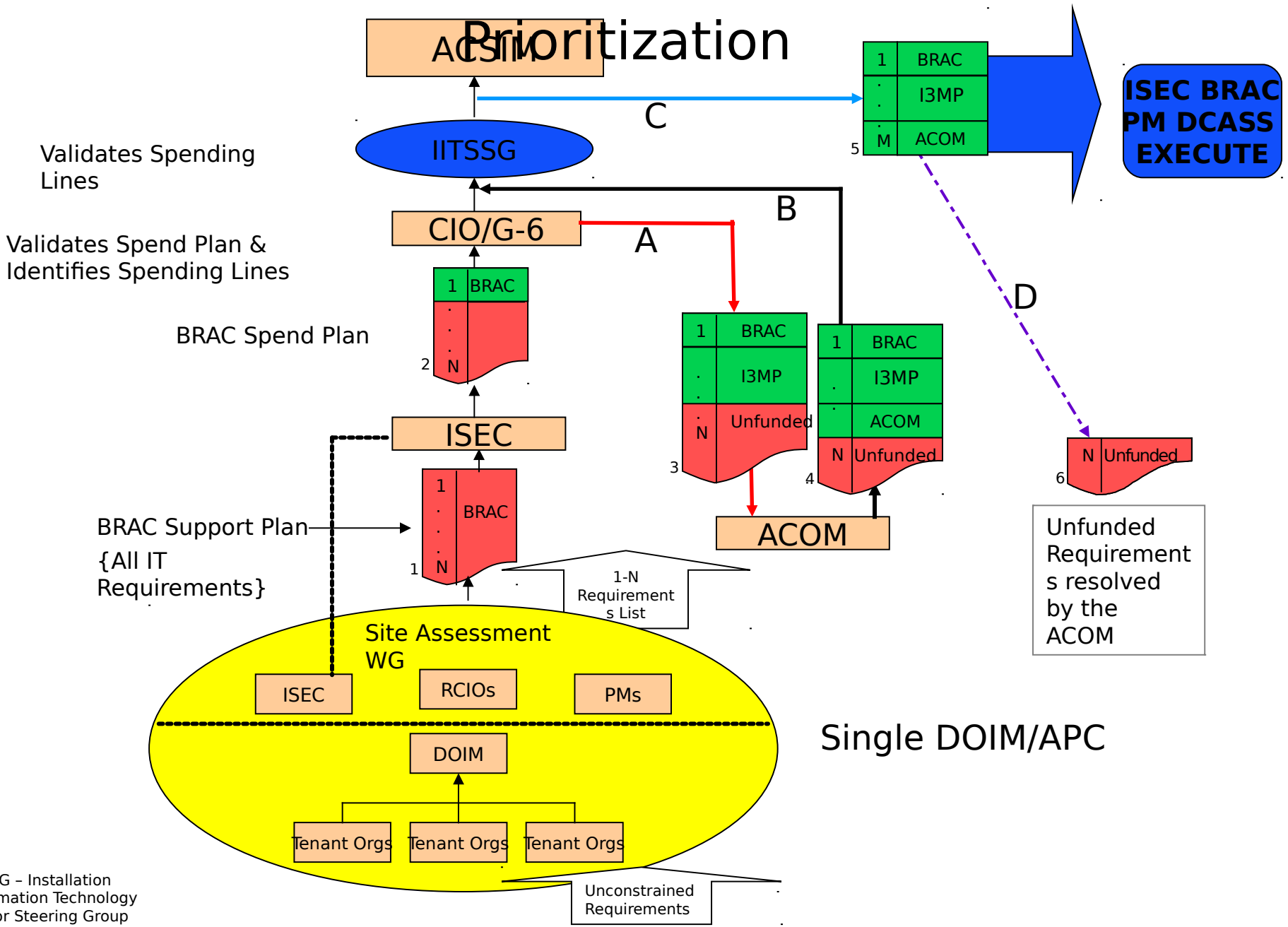
Governance for BRAC IT Validation and Prioritization



IITSSG – Installation Information Technology Senior Steering Group

The OPA IT Funding Tails (U)

- **(U) No funding received yet!**

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Agenda Item #19

IT Funding and Minor Construction

Jeremy Hiers
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Information Infrastructure Integration Division (I3D)

The Minor Construction Challenge (U)

- **(U) The MILCON MOA solidifies roles and responsibilities to ensure IT is adequately incorporated into Active Army MILCON projects.**
- **(U) Minor construction requires a completely different set of processes and roles and responsibilities.**
- **(U) IT is often not adequately funded in minor construction projects.**
  - CIO/G-6, ACSIM, and ISEC have no visibility.
- **(U) This is unacceptable to the CIO/G-6 and MUST be fixed.**

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Discussion Points (U)

How do we stop the madness?

- **(U) Potential COAs:**
  - Incorporate a Tab F like document into all MILCON projects?
  - Directive from the ACSIM and G-6?
  - Directive from the VCSA or Secretary of Army?
  - Develop another MILCON MOA to address roles and responsibilities for Minor Construction?
  - Update AR25-1 and AR415-15?
  - ***All of the above?***
- **(U) What is the feasibility of each COA?**
- **(U) What are the impacts of each COA to our organizations (e.g., ACSIM, G-6, ISEC, USACE, DOIM, ACOM, etc)?**

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Next Steps (U)

- **(U) CIO/G-6 and ACSIM develop and staff the appropriate correspondence to ensure that IT is appropriately addressed in minor construction.**

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Questions?

Point of Contact

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BACKUP SLIDES

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APC Migration Authorities (U)

- **Before 2000,** Clinger-Cohen Act (CCA) **and** AR 25-1 **gave the CIO/G-6 authority to initiate server consolidation.**
- **2000** VCSA Memo **to reduce servers and consolidate them at Director of Information Management Server Farms.**
- **2001 the Secretary of the Army directed the CIO/G-6 to reduce the Total Cost of Ownership (TCO) for IT and to conduct a comprehensive Analysis of Alternatives or Business Case Analysis to achieve the Army's broader goals** (Gartner BCA)
- **2002, the Secretary of the Army and the Chief-of-Staff of the Army directed functional proponents and MACOMS to baseline their server consolidation efforts**
- **2003, the Objective Force Task Force tasked the CIO/G-6 to develop the concept for a "network-centric" Objective Force, and at that point, the CIO/G-6, the PM, and ISEC initiated work to transition to ENTERPRISE IT infrastructure designs and solutions, and expanded the ongoing BCA.**
- **In 2004, the** Army G3 & 8 directed **the CIO/G-6 to document the C4 network-centric concept, and in response, the CIO/G-6 wrote the** C4 Annex to the Transformation Campaign Plan**, which defined C4 as "a network managed and defended as an enterprise."**
- **2004, an** Army Audit Agency report **recommended that "server consolidation" be managed from an "enterprise."**
- **2005, the SA & CSA directed functional proponents and MACOMS to submit the results of the server consolidation "baselining" efforts**
- **2005,** Office of General Counsel (OGC) opinion **and the publication of** AR 25-1**. The** OGC opinion **supported the concept that the CIO/G-6 had the authority to affect "server consolidation" and AR 25-1 incorporated server consolidation concepts (governance, roles and responsibilities, financial, etc.) in its update published in July 2005**
- **2006 deliberate planning and study showed that enterprise managed IT infrastructure and services was the best way to get the right information to the right person at the right time, improve overall security, and reduce the Army's TCO for IT**
- HASC testimony **in April 2006, where LTG Boutelle emphasized the operational, security, and financial aspects of APCs**
- POM **build in which requirements for APCs were submitted and validated by the appropriate Program Evaluation Group.**
- **Update to** AR 25-1**, which includes key APC roles and responsibilities.**

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OPA IT Funding Tails (U)

- **(U) Below is the latest position:**

PEG	APPN	CMD	MDEP	APE	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
II	OPA	6A0	MU1U	BB1400000	6,285	6,013	0	0	0	0	0	0	0
II	OPA	6A0	MU2Z	BB1400000	0	0	0	20,200	36,600	5,000	0	0	0
II	OPA	6A0	DA3G	BB1400000	0	0	0	0	960	0	0	0	0
II	OPA	6A0	DA3O	BB1400000	0	0	0	0	4,698	2,400	0	2,280	0
II	OPA	6A0	DA3S	BB1400000	0	0	0	0	480	0	0	0	0
II	OPA	6A0	E3H6	BB1400000	0	0	0	0	4,500	1,680	5,508	8,478	23382
II	OPA	6A0	E3H7	BB1400000	0	0	0	32,500	6,500	0	0	53,639	1980
II	OPA	6A0	EAMF	BB1400000	0	0	0	0	1,750	30,500	38,500	80,774	99160
II	OPA	6A0	EIGP	BB1400000	0	0	0	21,000	25,000	22,000	7,650	2,484	9072
II	OPA	6A0	[illegible]	BB1400000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10,54	[illegible]	[illegible]

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